☐   **Generate Collection**   **Print**

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    L1: Entry 1 of 1                    File: USPT              Sep 16, 2003
```

US-PAT-NO: 6622144
DOCUMENT-IDENTIFIER: US 6622144 B1

TITLE: Methods and database for extending columns in a record

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rush, Jr.; Ronald A.	Columbia	SC		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NCR Corporation	Dayton	OH			02

APPL-NO: 09/ 649698   [PALM]
DATE FILED: August 28, 2000

INT-CL: [07] G06 F 17/00, G06 F 7/00

US-CL-ISSUED: 707/101; 707/102, 707/100
US-CL-CURRENT: 707/101; 707/100, 707/102

FIELD-OF-SEARCH: 707/3, 707/6, 707/100, 707/102, 707/2, 707/4, 707/103, 707/101

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected   **Search ALL**   **Clear**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5261098	November 1993	Katin et al.	395/650
☐	5355493	October 1994	Silberbauer et al.	395/700
☐	5745755	April 1998	Covey	395/619
☐	5745889	April 1998	Burrows	707/2
☐	5799310	August 1998	Anderson et al.	707/102
☐	5826259	October 1998	Doktor	707/4
☐	5832481	November 1998	Sheffield	707/4
☐	5940818	August 1999	Malloy et al.	707/2

☐	6016497	January 2000	Suver	707/103R
☐	6069627	May 2000	Conrad et al.	345/866
☐	6078925	June 2000	Anderson et al.	707/103R
☐	6338056	January 2002	Dessloch et al.	707/2
☐	6366934	April 2002	Cheng et al.	707/513
☐	6405198	June 2002	Bitar et al.	707/6
☐	6450955	September 2002	Brown et al.	600/300
☐	6463440	October 2002	Hind et al.	707/102
☐	6470343	October 2002	O'Brien et al.	707/100
☐	6519597	February 2003	Cheng et al.	707/10

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2325761	December 1998	GB	

ART-UNIT: 2171

PRIMARY-EXAMINER: Robinson; Greta

ASSISTANT-EXAMINER: Rayyan; Susan

ATTY-AGENT-FIRM: Schwegman, Lundberg, Woessner, Kluth

ABSTRACT:

Methods and a database for extending the columns of a record are provided. A record is provided having an extendible column wherein a tokenized string may be stored. Moreover, the tokenized string includes one or more tags, each tag logically representing an extendible column to associate with the record. Further, at least a portion of the tokenized string is delivered upon a request. The tokenized string may conform to at least one of XML, HTML, and SGML. Moreover, updates to the record occur without modifying a table definition associated with the record.

20 Claims, 5 Drawing figures

Hit List

Your wildcard search against 10000 terms has yielded the results below.
Your result set for the last L# is incomplete.
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |
| Generate OACS |

Search Results - Record(s) 1 through 10 of 12 returned.

☐ 1.   Document ID: US 6654726 B1

L4: Entry 1 of 12   File: USPT   Nov 25, 2003

US-PAT-NO: 6654726
DOCUMENT-IDENTIFIER: US 6654726 B1

TITLE: Communication schema of online system and method of status inquiry and
tracking related to <u>orders</u> for consumer product having specific configurations

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 2.   Document ID: US 6625581 B1

L4: Entry 2 of 12   File: USPT   Sep 23, 2003

US-PAT-NO: 6625581
DOCUMENT-IDENTIFIER: US 6625581 B1

TITLE: METHOD OF AND SYSTEM FOR ENABLING THE ACCESS OF CONSUMER PRODUCT RELATED
INFORMATION AND THE PURCHASE OF CONSUMER PRODUCTS AT POINTS OF CONSUMER PRESENCE ON
THE WORLD WIDE WEB (WWW) AT WHICH CONSUMER PRODUCT INFORMATION REQUEST (CPIR)
ENABLING SERVLET TAGS ARE EMBEDDED WITHIN HTML-ENCODED DOCUMENTS

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 3.   Document ID: US 6609108 B1

L4: Entry 3 of 12   File: USPT   Aug 19, 2003

US-PAT-NO: 6609108
DOCUMENT-IDENTIFIER: US 6609108 B1

TITLE: Communication schema of online system and method of <u>ordering</u> consumer
product having specific configurations

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 4. Document ID: US 6560581 B1

L4: Entry 4 of 12   File: USPT   May 6, 2003

US-PAT-NO: 6560581
DOCUMENT-IDENTIFIER: US 6560581 B1

TITLE: System and method for secure electronic commerce transaction

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 5. Document ID: US 6557029 B2

L4: Entry 5 of 12   File: USPT   Apr 29, 2003

US-PAT-NO: 6557029
DOCUMENT-IDENTIFIER: US 6557029 B2

TITLE: System and method for distributing messages

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 6. Document ID: US 6484149 B1

L4: Entry 6 of 12   File: USPT   Nov 19, 2002

US-PAT-NO: 6484149
DOCUMENT-IDENTIFIER: US 6484149 B1
** See image for **Certificate of Correction** **

TITLE: Systems and methods for viewing product information, and methods for generating web pages

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 7. Document ID: US 6343275 B1

L4: Entry 7 of 12   File: USPT   Jan 29, 2002

US-PAT-NO: 6343275
DOCUMENT-IDENTIFIER: US 6343275 B1

TITLE: Integrated business-to-business web commerce and business automation system

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 8. Document ID: US 6327574 B1

L4: Entry 8 of 12   File: USPT   Dec 4, 2001

US-PAT-NO: 6327574
DOCUMENT-IDENTIFIER: US 6327574 B1

TITLE: Hierarchical models of consumer attributes for targeting content in a
privacy-preserving manner

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

□ 9. Document ID: US 5982891 A

L4: Entry 9 of 12   File: USPT   Nov 9, 1999

US-PAT-NO: 5982891
DOCUMENT-IDENTIFIER: US 5982891 A

TITLE: Systems and methods for secure transaction management and electronic rights
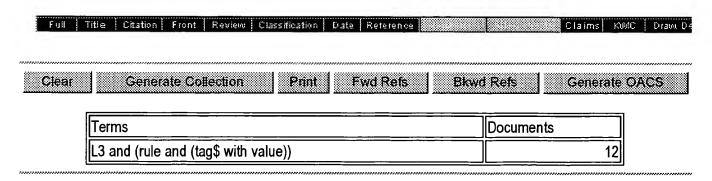protection

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

□ 10. Document ID: US 5956688 A

L4: Entry 10 of 12   File: USPT   Sep 21, 1999

US-PAT-NO: 5956688
DOCUMENT-IDENTIFIER: US 5956688 A

TITLE: Electronic transaction apparatus and computer readable storage medium on
which is recorded control program for executing format conversion in electronic
transaction

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
L3 and (rule and (tag$ with value))	12

Display Format: TI   Change Format

Hit List

Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1.   Document ID: US 6654726 B1

L5: Entry 1 of 10   File: USPT   Nov 25, 2003

US-PAT-NO: 6654726
DOCUMENT-IDENTIFIER: US 6654726 B1

TITLE: Communication schema of online system and method of status inquiry and
tracking related to orders for consumer product having specific configurations

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

---

☐ 2.   Document ID: US 6609108 B1

L5: Entry 2 of 10   File: USPT   Aug 19, 2003

US-PAT-NO: 6609108
DOCUMENT-IDENTIFIER: US 6609108 B1

TITLE: Communication schema of online system and method of ordering consumer
product having specific configurations

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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☐ 3.   Document ID: US 6557029 B2

L5: Entry 3 of 10   File: USPT   Apr 29, 2003

US-PAT-NO: 6557029
DOCUMENT-IDENTIFIER: US 6557029 B2

TITLE: System and method for distributing messages

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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☐ 4.   Document ID: US 6484149 B1

L5: Entry 4 of 10   File: USPT   Nov 19, 2002

US-PAT-NO: 6484149

DOCUMENT-IDENTIFIER: US 6484149 B1
** See image for **Certificate of Correction** **

TITLE: Systems and methods for viewing product information, and methods for
generating web pages

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 5.   Document ID: US 6343275 B1

L5: Entry 5 of 10   File: USPT   Jan 29, 2002

US-PAT-NO: 6343275
DOCUMENT-IDENTIFIER: US 6343275 B1

TITLE: Integrated business-to-business web commerce and business automation system

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 6.   Document ID: US 6327574 B1

L5: Entry 6 of 10   File: USPT   Dec 4, 2001

US-PAT-NO: 6327574
DOCUMENT-IDENTIFIER: US 6327574 B1

TITLE: Hierarchical models of consumer attributes for targeting content in a
privacy-preserving manner

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 7.   Document ID: US 5982891 A

L5: Entry 7 of 10   File: USPT   Nov 9, 1999

US-PAT-NO: 5982891
DOCUMENT-IDENTIFIER: US 5982891 A

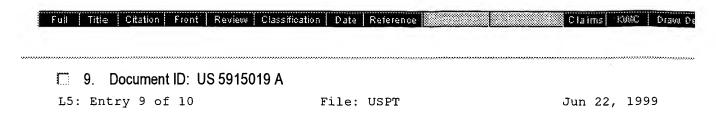TITLE: Systems and methods for secure transaction management and electronic rights
protection

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 8.   Document ID: US 5956688 A

L5: Entry 8 of 10   File: USPT   Sep 21, 1999

US-PAT-NO: 5956688
DOCUMENT-IDENTIFIER: US 5956688 A

TITLE: Electronic transaction apparatus and computer readable storage medium on which is recorded control program for executing format conversion in electronic transaction
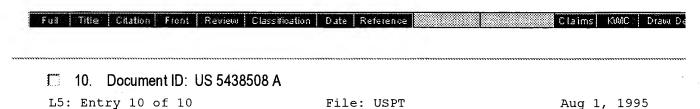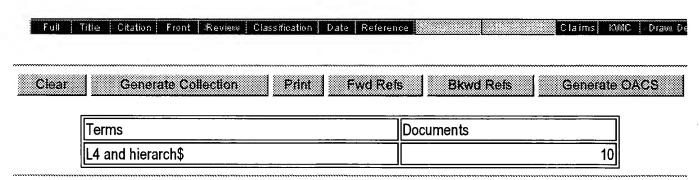
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 9.   Document ID: US 5915019 A

L5: Entry 9 of 10   File: USPT   Jun 22, 1999

US-PAT-NO: 5915019
DOCUMENT-IDENTIFIER: US 5915019 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 10.   Document ID: US 5438508 A

L5: Entry 10 of 10   File: USPT   Aug 1, 1995

US-PAT-NO: 5438508
DOCUMENT-IDENTIFIER: US 5438508 A

TITLE: License document interchange format for license management system

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
L4 and hierarch$	10

Display Format: TI   Change Format

Previous Page   Next Page   Go to Doc#

☐ ▓▓▓ Generate Collection ▓▓▓   Print

L5: Entry 1 of 10   File: USPT   Nov 25, 2003

US-PAT-NO: 6654726
DOCUMENT-IDENTIFIER: US 6654726 B1

TITLE: Communication schema of online system and method of status inquiry and tracking related to orders for consumer product having specific configurations

DATE-ISSUED: November 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanzek; Joe J.	Novi	MI		

US-CL-CURRENT: 705/26; 705/28

ABSTRACT:

An online communication schema for inquiring and tracking status of an online order for a product is provided. The communication schema comprises a consumer status request message, which includes a source identifier identifying a web site from which the consumer status request message originated, and a customer identifier identifying a customer who originated the status request message. The communication schema also comprises a consumer status reply message, which includes an order number, and order status information.

39 Claims, 47 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 40

☐ ▨▨▨▨ Generate Collection ▨▨▨▨   ▨ Print ▨

L5: Entry 2 of 10   File: USPT   Aug 19, 2003

US-PAT-NO: 6609108
DOCUMENT-IDENTIFIER: US 6609108 B1

TITLE: Communication schema of online system and method of <u>ordering</u> consumer
product having specific configurations

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Pulliam; Timothy E.   Westland   MI
Bartkowiak; Don G.   Livonia   MI
Champagne; Daryl L.   Northville   MI

ASSIGNEE-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY   TYPE CODE
Ford Motor Company   Dearborn   MI   02

APPL-NO: 09/ 542637   [PALM]
DATE FILED: April 4, 2000

PARENT-CASE:
RELATED PATENT APPLICATIONS This application claims the benefit of U.S. patent
application Ser. No. 09/561,644, filed May. 2, 2000, and entitled Method and System
for Configuring and <u>Ordering</u> Consumer Product, which claims benefit of U.S.
Provisional Application Serial No. 60/163,755, filed Nov. 5, 1999, and entitled
Automotive Internet Business Methods and Systems. This application is related to
co-pending U.S. application Ser. No. 09/538,516, filed on Mar. 29, 2000, and
entitled, "Communication Schema of Online System and Method of Status Inquiry and
Tracking Related to <u>Orders</u> for Consumer Product Having Specific Configurations."
This application is related to co-pending U.S. application Ser. No. 09/539,392
filed on Mar. 30, 2000, and entitled, "Online System and Method of Locating
Consumer Product Having Specific Configurations in the Enterprise Production
Pipeline and Inventory." This application is related to co-pending U.S. application
Ser. No. 09/542,413 filed on Apr. 4, 2000, and entitled, "Online System and Method
of Reporting Related to <u>Orders</u> for Consumer Product Having Specific
Configurations." This application is related to co-pending U.S. application Ser.
No. 09/543,833 filed on Apr. 4, 2000, and entitled, "Communication Schema of Online
Reporting System and Method Related to Online <u>Orders</u> for Consumer Products Having
Specific Configurations." This application is related to co-pending U.S.
application Ser. No. 09/543,686 filed on Apr. 5, 2000, and entitled, "Online System
and Method of <u>Ordering</u> and Specifying Consumer Product Having Specific
Configurations." This application is related to co-pending U.S. application Ser.
No. 09/543,860, filed on Apr. 5, 2000, and entitled, "Communication Schema of
Online System and Method of Locating Consumer Product in the Enterprise Production
Pipeline." This application is related to co-pending U.S. application Ser. No.
09/537,190 filed on Mar. 29, 2000, and entitled, "Online System and Method of
Status Inquiry and Tracking Related to <u>Orders</u> for Consumer Product Having Specific

Configurations."

INT-CL: [07] <u>G06</u> <u>F</u> <u>17</u>/<u>60</u>

US-CL-ISSUED: 705/27
US-CL-CURRENT: <u>705</u>/<u>27</u>

FIELD-OF-SEARCH: 705/26, 705/27

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected	Search ALL	Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5615342	March 1997	Johnson	705/27
☐	5757917	May 1998	Rose et al.	380/25
☐	5765139	June 1998	Bondy	
☐	5774873	June 1998	Berent et al.	705/26
☐	5792219	August 1998	Brown	705/37
☐	5802497	September 1998	Manasse	705/27
☐	5809479	September 1998	Martin et al.	
☐	5826241	October 1998	Stein et al.	705/26
☐	5839112	November 1998	Schreitmueller et al.	705/4
☐	5884300	March 1999	Brockman	707/2
☐	5887271	March 1999	Powell	705/14
☐	5890137	March 1999	Koreeda	705/26
☐	5890138	March 1999	Godin et al.	705/26
☐	5895454	April 1999	Harrington	
☐	5897622	April 1999	Blinn et al.	
☐	5899980	May 1999	Wilf et al.	705/26
☐	5905974	May 1999	Fraser et al.	705/37
☐	5905975	May 1999	Ausubel	705/37
☐	5913210	June 1999	Call	
☐	5950173	September 1999	Perkowski	705/26
☐	5960408	September 1999	Martin et al.	
☐	5960411	September 1999	Hartman et al.	
☐	5970472	October 1999	Allsop et al.	705/26
☐	5970475	October 1999	Barnes et al.	705/27
☐	5983199	November 1999	Kaneko	705/26
	5991739	November 1999	Cupps et al.	

6006201	December 1999	Berent et al.		705/27
6009413	December 1999	Webber et al.		
6012045	January 2000	Barzilai et al.		705/37
6014628	January 2000	Kovarik, Jr.		705/1
6016504	January 2000	Arnold et al.		
6041310	March 2000	Green et al.		705/27
6058373	May 2000	Blinn et al.		705/26
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"GM Plans Web Blitz in West", Sep. 8, 1997, Automotive News, No. 5730, p. 1.*
"Cars Online 25% or More of U.S. Car Sales Will Start on the Internet by Year 2000", Feb. 1997, vol. 4, No. 2, p. 1.*
U.S. patent application Ser. No. 09/532,833 entitled Method of Conducting Online Competitive Price Quoting Events, filed Mar. 21, 2000, 60 pages.
U.S. patent application Ser. No. 09/561,644 entitled Method and System for Configuring and Ordering Consumer Product, filed May 2, 2000, 31 pages.
U.S. patent application Ser. No. 09/538,516 entitled Communication Schema of Online System and Method of Status Inquiry and Tracking Related to Orders for Consumer Product Having Specific Configurations, filed Mar. 29, 2000, 122 pages.
U.S. patent application Ser. No. 09/537,190 entitled Online System and Method of Status Inquiry and Tracking Related to Orders for Consumer Product Having Specific Configurations, filed Mar. 29, 2000, 118 pages.
U.S. patent application Ser. No. 09/539,392 entitled Online System and Method of Locating Consumer Product Having Specific Configurations in the Enterprise Production Pipeline and Inventory, filed Mar. 31, 2000, 120 pages.
U.S. patent application Ser. No. 09/542,413 entitled Online System and Method of Reporting Related to Orders for Consumer Product Having Specific Configurations, filed Apr. 1, 2000, 119 pages.
U.S. patent application Ser. No. 09/543,833 entitled Communication Schema of Online

Reporting System and Method Related to Online <u>Orders</u> for Consumer Products Having Specific Configurations, filed Apr. 5, 2000, 118 pages.
U.S. patent application Ser. No. 09/543,686 entitled Online System and Method of <u>Ordering</u> and Specifying Consumer Product Having Specific Configurations, Apr. 5, 2000, 119 pages.
U.S. patent application Ser. No. 09/543,860 entitled Communication Schema of Online System and Method of Locating Consumer Product in the Enterprise Production Pipeline, filed Apr. 5, 2000, 135 pages.
MSN CarPoint web page at http://carpoint.msn.com/newcar/default.asp?src=home New-Car buying service, .COPYRGT.2000, 5 pages.
Autobytel.com web page at http://www.autobytel.com/content/buy/NewIndex.cfn?id=abt New Car Purchase Center, date unknown, 6 pages.
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Robert D. Hof, "the Buyer Always Wins," BusinessWeek, undated, reprinted from Business Week, Mar. 22, 1999 copyright by The McGraw-Hill Companies, Inc., 2 pages.

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CattelOfferings.com web page, <http://www.CattleOfferings.com/>, Cattle Offerings Worldwide & Farms.com, copyright 1999, 10 pages.
Marex.com web page, <http://www.marex.com/about/about.asp>, date unknown, 2 page.
FastParts.com web page, <http://webt1.sanjose.fastparts.com/>, date unknown, 4 pages.
MetalSite web page, <http:www.MetalSite.com/>, MetalSite, L.P., copyright 1999, 8 pages.
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eBay.TM.web page, <wysiwyg://19/http://www.ebay.com/index.html>, eBay, Inc., copyright 1995-2000, 26 pages.

ART-UNIT: 2167

PRIMARY-EXAMINER: Olszewski; Robert P.

ASSISTANT-EXAMINER: Jaketic; Bryan

ATTY-AGENT-FIRM: Baker & Botts, LLP. Hanze; Carlos L.

ABSTRACT:

An online communication schema for communicating online vehicle orders is provided. The communication schema includes a customer request message, which includes an order message having order information, contact information and vehicle configuration. The order message includes a fleet order message, a retail order message, and a tagged order message. The communication schema further includes a lead message having lead information, contact information, vehicle configuration, and dealer information. The communication schema further includes an order confirmation message.

36 Claims, 47 Drawing figures

☐ ▓▓ Generate Collection ▓▓ | Print |

L5: Entry 3 of 10   File: USPT   Apr 29, 2003

US-PAT-NO: 6557029
DOCUMENT-IDENTIFIER: US 6557029 B2

TITLE: System and method for distributing messages

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Szymansky; Roman	West Milford	NJ		

US-CL-CURRENT: 709/206; 705/26, 705/37, 709/217, 709/219

ABSTRACT:

A system and a method for distributing messages from mobile users over a
communication network in real time. In the preferred embodiment, mobile users would
enter information in handwritten form on a touch-sensitive screen using a stylus.
The handwritten messages would be converted into a graphics format and then
transmitted (using a suitable protocol) to a computer server. The computer server
would store the graphic files in a database and also transmit the graphic files to
subscribers.

13 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

☐   Generate Collection   Print

L5: Entry 4 of 10   File: USPT   Nov 19, 2002

US-PAT-NO: 6484149
DOCUMENT-IDENTIFIER: US 6484149 B1
** See image for Certificate of Correction **

TITLE: Systems and methods for viewing product information, and methods for
generating web pages

DATE-ISSUED: November 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jammes; Pierre J.	Bellevue	WA		
Franklin; D. Chase	Seattle	WA		
Remington; Darren B.	Issaquah	WA		

US-CL-CURRENT: 705/26

ABSTRACT:

A system and method for designing and operating an electronic store (1) permit a
merchant to organize and advertise descriptions of product inventory over the
Internet, (2) permit Web page information to be extracted on-demand from a product
inventory database, and (3) permit Web pages to be automatically customized to fit
shopping behaviors of individual consumers. A graphical store design user interface
of a Web browser displays a hierarchical representation of products and, product
groups of an electronic store. A user manipulates icons of the Web browser store
design user interface to cause a Web server to modify relationships between
products and product groups stored in a product information database. A store
designer creates HTML template files, embeds database and customize references
within the template files, and assigns template files to groups or products of the
electronic store.

The Web server receives requests to access Web pages from consumers using standard
Web browsers. The Web server opens a template file related to the requested Web
page, creates hyperlinks and other information content by executing database
references embedded within the template file, and merges the hyperlinks and content
with the template file to generate an HTML Web page to send to the Web browser. The
Web server automatically creates additional hyperlinks to any Web pages or products
preferred by the consumer by executing customize instructions associated with
customize references in a template file. To determine whether any products or Web
pages are preferred by a consumer, the Web server examines a traffic analysis
database and extracts the consumer's history of accesses to Web pages and orders of
products. For each Web page the consumer has accessed, the Web server uses
preferred page rules to determine whether the page was accessed with sufficient
frequency to generate a hyperlink to the page. For each product the consumer
ordered, the Web server uses preferred product rules to determine whether the
product was ordered with sufficient frequency to generate a hyperlink to a page
offering the product.

17 Claims, 33 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 27

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L5: Entry 5 of 10   File: USPT   Jan 29, 2002

US-PAT-NO: 6343275
DOCUMENT-IDENTIFIER: US 6343275 B1

TITLE: Integrated business-to-business web commerce and business automation system

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Wong; Charles   Los Altos Hills   CA   94022

US-CL-CURRENT: 705/26; 705/1, 705/7, 705/8, 705/9, 707/1, 707/10, 707/100, 707/102, 709/201, 715/523

ABSTRACT:

A software system business-to-business Web commerce (Web business, or e-business)
and automates to the greatest degree possible, in a unified and synergistic fashion
and using best proven business practices, the various aspects of running a
successful and profitable business. Web business and business automation are both
greatly facilitated using a computing model based on a single integrated database
management system (DBMS) that is either Web-enabled or provided with a Web front-
end. The Web provides a window into a "seamless" end-to-end internal business
process. The effect of such integration on the business cycle is profound, allowing
the sale of virtually anything in a transactional context (goods, services,
insurance, subscriptions, etc.) to be drastically streamlined.

19 Claims, 339 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 392

<u>First Hit</u>   <u>Fwd Refs</u>

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L5: Entry 6 of 10   File: USPT   Dec 4, 2001

US-PAT-NO: 6327574
DOCUMENT-IDENTIFIER: US 6327574 B1

TITLE: <u>Hierarchical</u> models of consumer attributes for targeting content in a
privacy-preserving manner

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kramer; Glenn A.	San Francisco	CA		
Vogel; Mark B.	San Francisco	CA		

US-CL-CURRENT: <u>705/14</u>; <u>705/10</u>, <u>705/26</u>

ABSTRACT:

A system and method provide for the interpretation and augmenting of structured
documents electronically delivered to an individual consumer's computer using
consumer profiles developed from and maintained with information reflecting the
consumer's online and offline transactions, by selecting the variable content
alternatives encoded in the structured documents that most closely match the
consumer's profile. The consumer profiles are logically controlled by the
consumer's computer, thus providing for enhanced security over information that is
personal and confidential to the consumer, yet still allowing third parties such as
web sites and others electronically delivering structured documents to the consumer
to have such documents customized based on the consumer's profile. The consumer
profile includes <u>hierarchical</u> attribute vectors which encode attributes of a
consumer at progressively higher levels of abstraction, and allowing for querying
of any combination of abstracted data or abstracted attributes of a consumer. The
consumer profiles are updated with a process that reflects the relevance of each
transaction to the consumer's profile, and accommodates a decay in the influence of
transactions over time. A selection process for selecting content allows for
multiple items of content to be selected for sequenced display to the consumer,
through a limited presentation space.

32 Claims, 23 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 18

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L5: Entry 7 of 10   File: USPT   Nov 9, 1999

US-PAT-NO: 5982891
DOCUMENT-IDENTIFIER: US 5982891 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD		
Shear; Victor H.	Bethesda	MD		
Spahn; Francis J.	El Cerrito	CA		
Van Wie; David M.	Sunnyvale	CA		

US-CL-CURRENT: 705/54; 705/26, 713/167

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

102 Claims, 153 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 146

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L5: Entry 8 of 10   File: USPT   Sep 21, 1999

US-PAT-NO: 5956688
DOCUMENT-IDENTIFIER: US 5956688 A

TITLE: Electronic transaction apparatus and computer readable storage medium on which is recorded control program for executing format conversion in electronic transaction

DATE-ISSUED: September 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kokubo; Yoshiyuki	Kawasaki			JP
Iwamoto; Takashi	Kawasaki			JP
Fujita; Tutomu	Kawasaki			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fujitsu Limited	Kawasaki			JP	03

APPL-NO: 08/ 987839   [PALM]
DATE FILED: December 9, 1997

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	9-117788	May 8, 1997

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/1; 705/35, 705/37, 705/26, 345/340, 345/346, 395/500, 395/680, 709/204, 709/206, 709/207
US-CL-CURRENT: 705/1; 345/781, 345/804, 703/6, 705/26, 705/35, 705/37, 709/204, 709/206, 709/207, 719/313

FIELD-OF-SEARCH: 705/1, 705/26, 705/35, 705/37, 705/10, 395/701-710, 395/680, 395/500, 395/200.34, 395/200.36, 395/200.37, 395/671, 709/101, 709/204, 709/206, 709/207, 345/326, 345/340, 345/342, 345/356

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected   Search ALL   Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL

☐	4951196	August 1990	Jackson	705/37
☐	5202977	April 1993	Pasetes, Jr. et al.	395/500
☐	5557780	September 1996	Edwards et al.	395/500
☐	5694551	December 1997	Doyle et al.	705/26
☐	5758126	May 1998	Daniel et al.	395/500
☐	5794206	August 1998	Wilkinson et al.	705/1
☐	5878419	March 1999	Carter	707/10

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ASSISTANT-EXAMINER: Alvarez; Raquel

ATTY-AGENT-FIRM: Staas & Halsey

ABSTRACT:

A relevance information setting unit imparts the same relevance code to related
elements in a standard message to indicate a relevance. A mapping processing unit
displays a standard message and a local message side by side on a display and while
referring to the relevance codes imparted to the standard elements, defines link
relations with local elements on the display to create a conversion table for use
in a message format conversion in a conversion unit. A link line appears when a
standard element and a local element are selected to be linked.

14 Claims, 30 Drawing figures

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L5: Entry 9 of 10   File: USPT   Jun 22, 1999

US-PAT-NO: 5915019
DOCUMENT-IDENTIFIER: US 5915019 A

TITLE: Systems and methods for secure transaction management and electronic rights protection
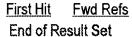
DATE-ISSUED: June 22, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD		
Shear; Victor H.	Bethesda	MD		
Spahn; Francis J.	El Cerrito	CA		
Van Wie; David M.	Sunnyvale	CA		

US-CL-CURRENT: 705/54; 705/26, 705/400, 713/200

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

101 Claims, 155 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 146

☐ Generate Collection   Print

L5: Entry 10 of 10   File: USPT   Aug 1, 1995

US-PAT-NO: 5438508
DOCUMENT-IDENTIFIER: US 5438508 A

TITLE: License document interchange format for license management system

DATE-ISSUED: August 1, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wyman; Robert M.	Kirkland	WA		

US-CL-CURRENT: 705/8; 705/26, 705/59

ABSTRACT:

A distributed computer system employs a license management system to account for
software product usage. A management policy having a variety of alternative styles
and contexts is provided. Each licensed product upon start-up makes a call to a
license server to check on whether usage is permitted, and the license server
checks a database of the licenses, called product use authorizations, that it
administers. If the particular use requested is permitted, a grant is returned to
the requesting user node. The product use authorization is structured to define a
license management policy allowing a variety of license alternatives by values
called "style", "context", "duration" and "usage requirements determination
method". The license administration may be delegated by the license server to a
subsection of the organization, by creating another license management facility
duplicating the main facility. The license server must receive a license document
(a product use authorization) from an issuer of licenses, where a license document
generator is provided. A mechanism is provided for one user node to make a call to
use a software product located on another user node; this is referred to as a
"calling card", by which a user node obtains permission to make a procedure call to
use a program on another node. A management interface allows a license manager at a
server to modify the license documents in the database maintained by the server,
within the restraints imposed by the license, to make delegations, assignments,
etc. The license documents are maintained in a standard format referred to as a
license document interchange format so the management system is portable and can be
used by all adhering software vendors. A feature of the database management is the
use of a filter function.

26 Claims, 46 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 18